NOTE: US 1 IS CONSIDERED TO RUN IN A NORTH-SOUTH DIRECTION.

PROPOSED SIGNS

15
42nd Place
Crittenden St
D3-2
VARIABLE X 32"

16
NO TURN ON RED
R10-11b
24" x 24"

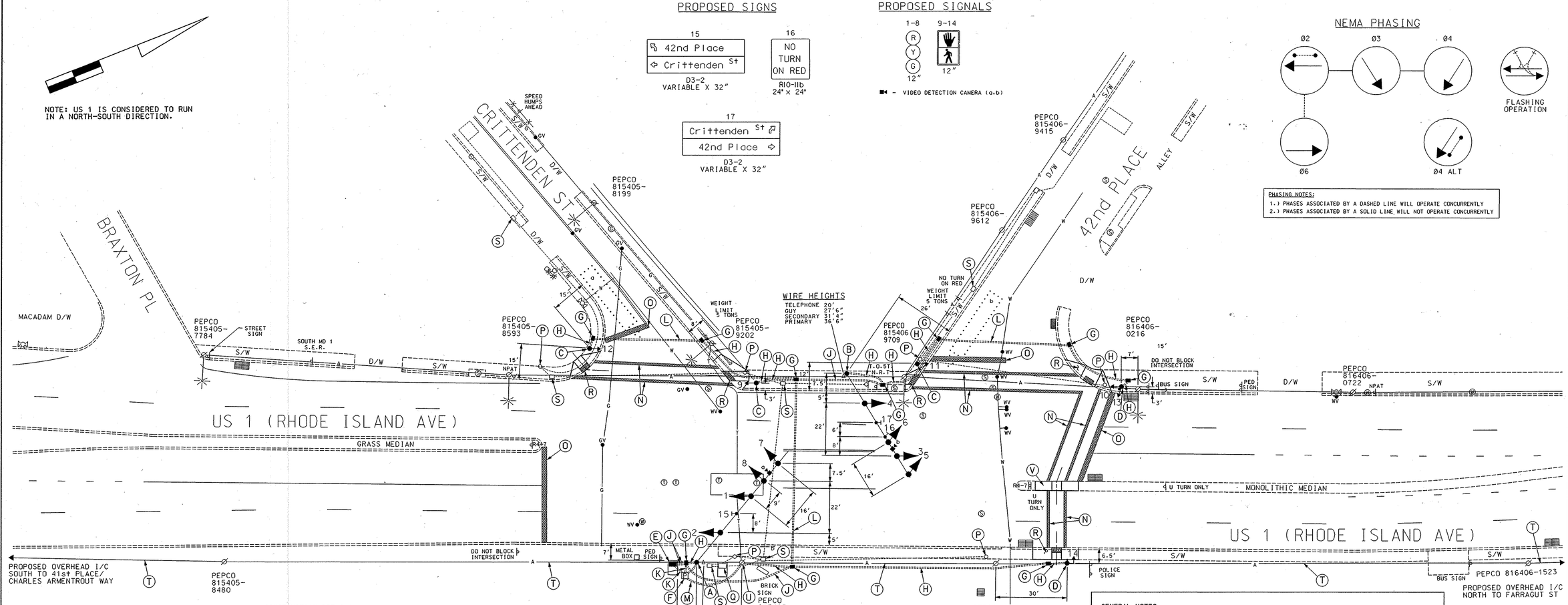
17
Crittenden St
42nd Place
D3-2
VARIABLE X 32"

PROPOSED SIGNALS

1-8 R Y G 12"
9-14 12"
VIDEO DETECTION CAMERA (a,b)

NEMA PHASING

PHASING NOTES:
1.) PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
2.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY



CONSTRUCTION DETAILS

A. Install 27' steel pole (cut to 21') with single 60' mast arm, traffic signal heads, signs, and video detection camera as shown. Note: 1-3" 90° polyvinyl chloride (schedule 80) bend.)

B. Install 27' steel pole (cut to 21') with single 50' mast arm, traffic signal heads, signs, and video detection camera as shown. Note: 1-3" 90° polyvinyl chloride (schedule 80) bend.)

C. Install 10' pedestal pole with pedestrian signal head as shown. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)

D. Install 10' pedestal pole with pedestrian signal head, pushbutton and pedestrian education sign as shown. (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)

E. Install NEMA size "6" base-mounted cabinet and controller with all necessary equipment as shown.

F. Install metered pedestal for electrical utility service equipment as shown.

G. Install handhole.

H. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

J. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

K. Install 2" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

L. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (bored).

M. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched) with 35' of 3 wire, 1 conductor (No. 250 KCMIL) for power service to base of utility pole for proposed underground electrical service by Pepco.

N. Install 12" white heat applied preformed theromplastic pavement marking. (Crosswalk)

O. Install 24" white heat applied preformed theromplastic pavement marking. (Stopline)

P. Remove existing signal pole, associated wiring, and other equipment as shown.

Q. Remove existing cabinet, foundation 12" below grade and backfill.

R. Install proposed handicap ramp with detectable warning surfaces.

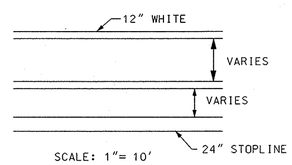
S. Remove existing handhole, cap and abandond all existing conduit runs associated with this handhole.

T. Proposed interconnect see interconnect plans for more details.

U. The contractor shall install 2-3" galvanized riser on existing wood pole. (Note: one riser for power and one for Interconnect.)

V. Remove portion of existing median and install proposed median as shown.

CROSSWALK AND STOPLINE DIMENSION TYPICAL



NOTES:
1. ALL CROSSWALKS SHALL BE CENTERED ON HANDICAPPED RAMPS UNLESS OTHERWISE NOTED.

GENERAL NOTES:

1. All underground utilities shown on these plans are schematic only and may not be complete. The contractor shall be responsible for notifying "MISS UTILITY" prior to construction so that all utilities may be located in the field. If the contractor perceives that a conflict between the utilities and the traffic signal will occur, the contractor shall notify the project engineer immediately so that the conflict may be resolved.
2. All stoplines and crosswalks shall be removed by the contractor and are to be installed as detailed in accordance with SHA standards.
3. All Traffic Signal Foundations shall be installed at the Final Sidewalk or Curb grade for closed sections. Highest Roadway Profile Grade for open sections, to meet clearances as specified in MD 816.03, MD 818.01, MD 818.02, and MD 818.04 The contractor shall verify ultimate grades prior to the installation of all signal equipment.
4. The contractor shall remove all unused wiring.
5. The contractor shall contact PEPCO for removal of all existing overhead or underground electrical services after proposed signal is operational.

GEOMETRIC LEGEND
PROPOSED
EXISTING

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES
AERIAL CABLE — A — A —
ELECTRIC — E — E —
TELEPHONE — T — T —
GAS — G — G —
SEWER — S — S —
WATER — W — W —
CABLE TV — TV — TV —

STREET TRAFFIC STUDIES, LTD.
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Glen Burnie,MD 21061
Ph (410) 590-5500
Fax (410) 590-6637

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REVISIONS	APPROVALS
D 2/15/05 TRAFFIC SIGNAL RECONSTRUCTION AND SYSTEMIZATION SHA NO.1 AT5665185 JWA	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
C 2/10/89 PRE-EMPTION DUE TO EAST LEG CLOSURE BW-213-501-312 BHE DKL DIAS EXP TAB	ASST.CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
B 7/83 NEW CONTROLLER & PHASING AW-580-501-085 SR	CHIEF,TRAFFIC ENGINEERING DESIGN DIVISION
A 6/27/83 "ASBUILT" P-323-005-385-FAP NOU-902-1(23) DDC	DIRECTOR, TRAFFIC & SAFETY

ORIGINAL ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

US 1 AND 42nd PL & CRITTENDEN ST

DRAWN BY: DUFFY	F.A.P. NO. U-902-1(23)	TS NO. 1131D	SHEET NO.
CHECKED BY: SALAD SABRA	S.H.A. NO. P-323-005-385		1 OF 2
SCALE: 1" = 20'	COUNTY: PRINCE GEORGE'S	T.I.M.S. NO. G633	
DATE: 6/23/72	LOG MILE: 16000101.43		

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